

PRODUCTION OF CHLOROSULFONYL ISOCYANATE

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[57] Abstract:

PURPOSE: To industrially readily obtain the subject compound useful as intermediate, etc., of agricultural chemicals or physic, etc., in high yield and purity, by continuously feeding cyanogen chloride and sulfuric acid anhydride into reaction system, keeping at a specific temperature and reacting. CONSTITUTION: Cyanogen chloride and sulfuric acid anhydride are continuously fed into a reaction system and the reaction system is made to react keeping at a temperature of 10W50°C, preferably 15W35°C to obtain chlorosulfonyl isocyanate. In the method, a stirrer and/or a circuit circulatable a reacting liquid is provided in a reaction vessel and cyanogen chloride of gaseous of liquid state and sulfuric acid anhydride of liquid state are respectively fed into the reaction vessel or circulating circuit from different feeding holes, to feed continuously. At a start of feeding, one of sulfuric acid anhydride and a liquid containing chlorosulfonyl isocyanate may be put in the reaction system. COPYRIGHT: (C)1989,JPO&Japio

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